



TÜV Product Service Ltd, Octagon House,  
Concorde Way, Segensworth North, Fareham,  
Hampshire, United Kingdom, PO15 5RL  
Tel: +44 (0) 1489 558100  
Website: [www.tuvps.co.uk](http://www.tuvps.co.uk)

COMMERCIAL-IN-CONFIDENCE

## TEST HOUSE CERTIFICATE

**CLIENT** Brigade Electronics Plc  
Brigade House  
The Mills  
South Darenth  
Kent DA4 9DB

**DOCUMENT** 75904282 THC 07 Issue 2

**CLIENT'S ORDER NUMBER** SO137, dated 25.07.08

**INCOMING RELEASE NOTE** Not Released

**DATE OF RECEIPT** 14<sup>th</sup> July 2008

**TEST ITEM(S)** BE-970FM TFT Monitor BE-831C Camera  
BE-990C Camera VBV-600C Camera

**MODEL/PART NUMBER(S)** BE-970FM BE-831C  
BE-990C VBV-600C

**SERIAL NUMBER(S)** 0806M0002 (BE-970FM) 080760005 (BE-831C)  
0804001544 (BE-990C) 0807C0004 (VBV-600C)

**TEST SPECIFICATION / ISSUE / DATE** EN 60529:1992 Tables III, VIII and clause 14.2.8.

**DATE OF TEST** 21<sup>st</sup> July 2008

**TEST(S) DESCRIPTION** Protection Against Water ingress by Immersion (IPX8)

The following test was required by the specification:

1. The test items are not electrically connected and unused electrical connectors will be sealed using adhesive tape.
2. Completely immerse the test item in fresh water at a depth of 1 metre above the lowest surface of the test item for a total period of 1 hour.
3. Upon completion of the test power ON the monitor and cameras and ensure a satisfactory image is displayed.
4. Remove the each enclosures lid and conduct an interior visual examination

### RESULT(S) OF TEST

#### BE-970FM Monitor

The test requirements were not satisfied. The monitor powered ON and displayed an unsatisfactory image with water ingress visible below the display. Shortly after powering ON the monitor lost all functionality. Approximately 10 ml of water ingress was observed during an interior visual examination. No other damage or detrimental effects were observed.

#### BE-990C Camera

The test requirements were satisfied. The camera powered ON and displayed a satisfactory image. No water ingress was observed during an interior visual examination. No damage or detrimental effects were observed.

Approved by

  
D H Grace  
Authorised Signatory



Date 22 May 2009